Лабораторная работа №7

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```
Activity.main.xml

<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical"
    android:padding="16dp">

    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Практика: ListView"
        android:textStyle="bold"
        android:textSize="20sp"
        android:paddingBottom="8dp"/>

    <ListView
        android:id="@+id/listView"
        android:layout_width="match_parent"
        android:layout_height="0dp"
        android:layout_weight="1"
        android:divider="@android:color/darker_gray"
        android:dividerHeight="1dp"/>
</LinearLayout>
```

```
activity_row_item.xml

<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="72dp"
    android:padding="12dp">

    <ImageView
        android:id="@+id/icon"
        android:layout_width="44dp"
        android:layout_height="44dp"
        android:layout_centerVertical="true"
        android:src="@android:drawable/ic_media_play" />

    <TextView
        android:id="@+id/title"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_toEndOf="@id/icon"
        android:layout_marginStart="12dp"
        android:text="Title"
        android:textStyle="bold"
        android:textSize="16sp" />

    <TextView
        android:id="@+id/subtitle"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_below="@id/title"
        android:layout_toEndOf="@id/icon"
        android:layout_marginStart="12dp"
        android:text="Subtitle"
```

```xml
        android:textSize="14sp"
        android:textColor="#666" />
</RelativeLayout>
```

RowItem.kt

```kotlin
package com.example.imamdag7laba

data class RowItem(
    val title: String,
    val subtitle: String,
    val iconRes: Int
)
```

activity_row_adapter.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:id="@+id/main"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".RowAdapter">

</androidx.constraintlayout.widget.ConstraintLayout>
```

RowAdapter.kt

```kotlin
package com.example.imamdag7laba

import android.content.Context
import android.view.LayoutInflater
import android.view.View
import android.view.ViewGroup
import android.widget.BaseAdapter
import android.widget.ImageView
import android.widget.TextView

class RowAdapter(
    private val ctx: Context,
    private val data: List<RowItem>
) : BaseAdapter() {

    override fun getCount() = data.size
    override fun getItem(position: Int) = data[position]
    override fun getItemId(position: Int) = position.toLong()

    override fun getView(position: Int, convertView: View?, parent:
ViewGroup?): View {
        val holder: VH
        val view: View

        if (convertView == null) {
            view =
LayoutInflater.from(ctx).inflate(R.layout.activity_row_item, parent, false)
            holder = VH(
                icon = view.findViewById(R.id.icon),
```

```kotlin
                    title = view.findViewById(R.id.title),
                    subtitle = view.findViewById(R.id.subtitle)
                )
                view.tag = holder
            } else {
                view = convertView
                holder = view.tag as VH
            }

            val item = getItem(position)
            holder.icon.setImageResource(item.iconRes)
            holder.title.text = item.title
            holder.subtitle.text = item.subtitle

            return view
        }

        private data class VH(
            val icon: ImageView,
            val title: TextView,
            val subtitle: TextView
        )
}
```

MainActivity.kt

```kotlin
package com.example.imamdag7laba

import android.os.Bundle
import android.widget.ListView
import android.widget.Toast
import androidx.appcompat.app.AppCompatActivity

class MainActivity : AppCompatActivity() {

    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_main)

        val lv: ListView = findViewById(R.id.listView)

        // 🎵 Музыкальные плейлисты
        val items = listOf(
            RowItem("Рок-хиты 2000-х",    "Плейлист • 55 треков",
android.R.drawable.ic_media_play),
            RowItem("Русский рэп",        "Плейлист • 48 треков",
android.R.drawable.ic_media_play),
            RowItem("Chill Vibes",        "Lo-fi / chillhop • 60",
android.R.drawable.ic_media_play),
            RowItem("GYM Pump",           "Энергия для спорта • 45",
android.R.drawable.ic_media_play),
            RowItem("Pop Новинки",        "Горячие релизы недели",
android.R.drawable.ic_media_play),
            RowItem("Classic Rock",       "Queen, AC/DC, Metallica",
android.R.drawable.ic_media_play),
            RowItem("Old School Hip-Hop","2Pac, Biggie, Dre • 40",
android.R.drawable.ic_media_play),
            RowItem("Phonk Drive",        "Bass/Drift • 35",
android.R.drawable.ic_media_play),
            RowItem("House & Techno",     "Клубная ночь • 50",
android.R.drawable.ic_media_play),
            RowItem("Jazz Lounge",        "Спокойный вечер • 30",
```

```
android.R.drawable.ic_media_play),
            RowItem("Synthwave Night",    "80s vibes • 28",
android.R.drawable.ic_media_play),
            RowItem("Focus / Study",      "Концентрация • 65",
android.R.drawable.ic_media_play)
        )

        lv.adapter = RowAdapter(this, items)

        lv.setOnItemClickListener { _, _, pos, _ ->
            Toast.makeText(this, "Открыть: ${items[pos].title}",
Toast.LENGTH_SHORT).show()
        }
    }
}
```

AndroidManifest.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    package="com.example.imamdag7laba">

    <application
        android:allowBackup="true"
        android:icon="@mipmap/ic_launcher"
        android:label="ListView Practice"
        android:roundIcon="@mipmap/ic_launcher_round"
        android:supportsRtl="true"
        android:theme="@style/Theme.Material3.DayNight.NoActionBar">
        <activity
            android:name=".RowAdapter"
            android:exported="false" />
        <activity
            android:name=".RowItem"
            android:exported="false" />
        <activity
            android:name=".MainActivity"
            android:exported="true">
            <intent-filter>
                <action android:name="android.intent.action.MAIN" />

                <category android:name="android.intent.category.LAUNCHER" />
            </intent-filter>
        </activity>
    </application>

</manifest>
```

Пример использования:

```xml
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    package="com.example.imamdag7laba">

    <application
        android:allowBackup="true"
        android:icon="@mipmap/ic_launcher"
        android:label="ListView Practice"
        android:roundIcon="@mipmap/ic_launcher_round"
        android:supportsRtl="true"
        android:theme="@style/Theme.Material3.DayNight.NoActionBar">
        <activity
            android:name=".RowAdapter"
            android:exported="false" />
        <activity
            android:name=".RowItem"
            android:exported="false" />
        <activity
            android:name=".MainActivity"
            android:exported="true">
            <intent-filter>
                <action android:name="android.intent.action.MAIN" />

                <category android:name="android.intent.category.LAUNC
            </intent-filter>
        </activity>
    </application>

</manifest>
```

GYM Pump
Энергия для спорта • 45

Pop Новинки
Горячие релизы недели

Classic Rock
Queen, AC/DC, Metallica

Old School Hip-Hop
2Pac, Biggie, Dre • 40

Phonk Drive
Bass/Drift • 35

House & Techno
Клубная ночь • 50

Jazz Lounge
Спокойный вечер • 30

Synthwave Night
80s vibes • 28

Focus / Study
Концентрация • 65